506,685

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
25 September 2003 (25.09.2003)

PCT

(10) International Publication Number
WO 03/079123 A1

(51) International Patent Classification[7]: G05B 19/4063

(21) International Application Number: PCT/KR02/01054

(22) International Filing Date: 4 June 2002 (04.06.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2002/14946 20 March 2002 (20.03.2002) KR

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(81) Designated States *(national)*: JP, US.

(84) Designated States *(regional)*: European patent (DE, FR, GB).

Published:
— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 03/079123 A1

(54) Title: INTELLIGENT STEP-NC CONTROLLER

(57) Abstract: An intelligent STEP-NC (Standard for the Exchange of Product model-Numerical Controller) overcomes shortcomings of conventional NCs with a closed structure. The intelligent STEP-NC intelligently performs a machining process based on ISO 14649 data while autonomously coping with an emergency at a shop-floor. Thus, the discontinuity of information in a CAD-CAM-CNC chain where the current NCs are operated can be overcome and the concept of "design-to-manufacture" can be realized.